DECLARATION AND POWER OF ATTORNEY

As a below-named inventor, I hereby declare that:

My residence, post office address, and citizenship are as stated below next to my name.

I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled:

METHOD FOR INHIBITING THROMBOSIS IN A PATIENT WHOSE BLOOD IS SUBJECTED

	REAL CIRCULATION	IN A FAILENT WHOSE	. BLOOD 13 3	OBJECTED
the specification o (check one)	f which:			
	is attached h	nereio.		
	X was filed on	April 1, 1998		as
	Application Serial N			
	and was amended _			
			(if app	licable)
to be material to p I hereby claim foret 365(b) of any for International App below. I have also	duty to disclose to the U.S. attentability as defined in T ignition of the U.S. attentability as defined in T ign application(s) for pathication which designated in identified below any forestation having a filing date	Title 37. Code of Federal Title 35. United States Co ent or inventor's certific at least one country of ign application for pater	Regulations. So ode. Section 119 ate. or Section her than the Un nt or inventor's	ection 1.56. (a)-(d) or Section 365(a) of any PCT nited States. listed certificate, or PCT
Prior Foreign App	olication(s)		Priorit	y Claimed
<u>Number</u>	Country	Filing Date	<u>Yes</u>	<u>No</u>
N/A				
				

Eric Rose et al. U.S. Serial No.: 09/053,872 Filed: April 1, 1998 Declaration and Power of Attorney

Page 2

I hereby claim the benefit under Title 35. United States Code. Section 119(e) of any United States provisional application(s) listed below:

Provisional Application No.	Filing Date	<u>Status</u>
None		
	· · · · · · · · · · · · · · · · · · ·	

I hereby claim the benefit under Title 35. United States Code, Section 120 of any United States Application(s), or Section 365(c) of any PCT International Application(s) designating the United States listed below. Insofar as this application discloses and claims subject matter in addition to that disclosed in any such prior Application in the manner provided by the first paragraph of Title 35. United States Code, Section 112, I acknowledge the duty to disclose to the United States Patent and Trademark Office all information known to me to be material to patentability as defined in Title 37, Code of Federal Regulations, Section 1.56, which became available between the filing date(s) of such prior Application(s) and the national or PCT international filing date of this application:

Application Serial No.	Filing Date	<u>Status</u>
08/648.561	May 16, 1996	Pending
PCT/US97/08282	May 15, 1997	Pending
		·

And I hereby appoint

John P. White (Reg. No. 28,678); Christopher C. Dunham (Reg. No. 22,031); Norman H. Zivin (Reg. No. 25,385); Jay H. Maioli (Reg. No. 27,213); William E. Pelton (Reg. No. 25,702); Robert D. Katz (Reg. No. 30,141); Peter J. Phillips (Reg. No. 29,691); Wendy E. Miller (Reg. No. 35,615); Richard S. Milner (Reg. No. 33,970); Albert Wai-Kit Chan (Reg. No. 36,479); Robert T. Maldonado (Reg. 38,232); Mary Anne P. Tanner (Reg. No. 40,197); Paul Teng (40,837); Gerard M. Wissing (Reg. No. 36,309); George M. MacDonald (Reg. No. 39,284); Richard F. Jaworski (Reg. No. 33,515); Elizabeth M. Wieckowski (Reg. No P-42,226); Victor Devito (Reg. No. 36,325); Pedro C. Fernandez (Reg. No. P-41,741); William D. DeVaul (Reg. No. P-42,483); Todd A. Holmbo (Reg. No. P-42,665); and Steven J. Lieb (Reg. No. P-41,943)

and each of them, all c/o Cooper & Dunham LLP. 1185 Avenue of the Americas, New York, New York 10036, my attorneys, each with full power of substitution and revocation, to prosecute this application, to make alterations and amendments therein, to receive the patent, to transact all business in the Patent and Trademark Office connected therewith and to file any International Applications which are based thereon under the provisions of the Patent Cooperation Treaty.

- Eric Rose et al.

· U.S. Serial No.: 09/053,872 Filed: April 1, 1998

Declaration and Power of Attorney

Page 3

Please address all communications, and direct all telephone calls, regarding this application to:

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true: and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

Full name of sole or first joint inventor_Eric Rose
Inventor's signature
Citizenship United States of America Date of signature 4 37 / 98
Residence 96 Oxford Drive, Tenafly, New Jersey 07670
Post Office AddressSame as residence
Full name of joint inventor (if any) David Stern
Inventor's signature Dand Stin
Citizenship United States of America Date of signature 4 30 98
Residence 63 Tanners Road, Great Neck, New York 11020
Post Office Address Same as residence
Full name of joint inventor (if any) Ann Marie Schmidt
Inventor's signature a prine
Citizenship United States of America Date of signature 4 30 58
Residence 242 Haven Road, Franklin Lakes, New Jersey 07417
Post Office Address Same as residence

Eric Rose et al.
U.S. Serial No.:09/053,872
Filed: April 1, 1998

Declaration and Power of Attorney

Full name of joint inventor (if any) _____ Talia Spanier

Inventor's signature _____ 5 | 20/9E

Citizenship ____ United States of America ____ Date of signature _____

Residence _____ 600 West 111th Street, Apt. 4-C, New York, New York 10025

Same as residence

Post Office Address_

Applicant or Patentee:	Eric Rose et al.	Attorney's FOCALLIE
Serial or Patent No.:	Not Yet Known	Accorney s 50634/JE
Filed or Issued:	Herewith	· · · · · · · · · · · · · · · · · · ·
Citle of Invention or P		THROMBOSIS IN A PATIENT WHOSE
	BLOOD IS SUBJECTED TO	EXTRACORPOREAL CIRCULATION
VE	RIFIED STATEMENT (DECLARATION	N) CLAIMING
	LL ENTITY STATUS UNDER 37 C.1	
A	AND §1.27(d) - NONPROFIT ORGA	ANIZATION
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		act on behalf of the nonprofit
organization identified	DETOM:	
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Address of Organization	: 110 Low Memorial Library, New York, New York 10027	West 116th & Broadway
ddress of Organization	: 110 Low Memorial Library, New York, New York 10027	West 116th & Broadway
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I hereby declare that the nonprofit organization identified above qualifies as a nonprofit organization as defined in 37 C.F.R. \$1.9(e)* for purposes of paying reduced fees under 35 U.S.C. \$41(a) and 41(b), with regard to the invention entitled METHOD FOR INHIBITING THROMBOSIS IN A PATIENT WHOSE BLOOD IS SUBJECTED TO EXTRA—

CORPOREAL CIRCULATION

by inventor(s) Eric Rose, David Stern, Ann Marie Schmidt and Talia Spanier

described in:

the specification filed	herewith		
application serial no.		filed	
 patent no.	issued		

I hereby declare that rights under contract or law have been conveyed to and remain with the nonprofit organization with regard to the above identified invention.

If the rights held by the nonprofit organization are not exclusive each individual, concern, or organization known to have rights to the invention is listed below and no rights to the invention are held by any person, other than the inventor, who could not qualify as a small business concern under 37 C.F.R. §1.9(d)* or a nonprofit organization under 37 C.F.R. 1.9(e)*

anote: Separate verified statements are required from each person, concern, or organization having rights to the invention averring to their status as small entities. 37 C.F.R. §1.27.

Name :	NONE	 					
Address	:	 ·					
	Individual	 Small	Business	Concern	•	Nonprofit	Organization

Fric Rose et al.

Small Entity/Nonprofit
Page -2-

I acknowledge the duty to file, in this application or patent, notification of any change in status resulting in loss of entitlement to small entity status prior to paying, or at the time of paying, the earliest of the issue fee or any maintenance fee due after the date on which status as a small entity is no longer appropriate. 37 C.F.R. \$1.28(b)*.

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under 18 U.S.C. \$1001, and that such willful false statements may jeopardize the validity of the application, any patent issuing thereon, or any patent to which this verified statement is directed.

Name of Person Signing:	Mr. Jack M. Granowitz
Title In Organization:	Executive Director, Columbia Innovation Enterprise
Address: Columbia Unive	rsity. Engineering Terrace - Suite 363
West 120th Str	eet and Amsterdam/ New York, New York 10027
Signature:	Jack M. Demounk
Date Of Signature:	1) april 26 1996

FORM PTO-1595 (Substitute)		FORM COVER SHEET	U.S. DEPARTMENT OF COMMERCE
(Rev. 8-96)	PATENT	rs only	Patent and Trademark Office
To the Honorable Commissioner of Patents and	d Trademarks. Plea	se record the attached origin	nal documents or copy thereof.
Name of conveying party(ies):		2. Name and address of r	receiving party(ies):
Eric Rose,	alia Spanier	The Trustees	s of Columbia University
David Stern,		Name: In The City	
Ann Marie Schmidt,			
Additional name(s) of conveying party(ies) atta	ched?	Street Address: West I	l6th Street & Broadway
Yes No		Street Address.	
3. Nature of Conveyance:			
		., .,	1 1 10007
Assignment	erger	City/State/Zip: New Yor	rk, New York 10027
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Other	nange of traine	- 	
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Execution Date(s): April 30, 1998, M	iay 20, 1998	Additional name(s) & addre	ess(es) attached? Yes No
1			
4. Application number(s) or patent number(s):			ew application, the execution date(s) of the
application is(are): April 30, 1998,	May 20, 1998	<u> </u>	
A. Patent Application No.(s) 09/053	3.872	B. Patent No.(s)	
filed April 1, 1998			
į			
	ditional numbers atta	ched? Yes 🖺 No	•
5. Name and address of party to whom corres		<u> </u>	<u> </u>
concerning document should be mailed:	portoerios	6. Total number of applica	ations and patents involved:
			·
Name: John P. White, Esq.			. 40.00
Internal Address:		7. Total fee (37 CFR §3.41): <u>40.00</u>
Internal Address:		☐ Enclosed	
Street Address: Cooper & Dunham I	LLP	☐ Enclosed	•
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1105 Avenue of the	z Americas	Addioized to	be charged to deposit account
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John P. White		I WW	July 17, 1998
Name of Person Signing	Signa	ature	Date
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John P. White	Date		
Registration No. 28,678			
OMB No. 0651-0011 (exp. 4/94)			
Mail documen		ith required cover sheet info	rmation to:
		Patents and Trademarks signments	
1		ssignments	

Assignment

In consideration of One Dollar (\$1.00), and other good and valuable considerations, the receipt of which is hereby acknowledged, we, the undersigned, Eric Rose, David Stern, Ann Marie Schmidt, and Talia Spanier

of 96 Oxford Drive, Tenafly, New Jersey 07670; 63 Tanners Road, Great Neck, New York 11020; 242 Haven Road, Franklin Lakes, New Jersey 07417; and 600 West 111th Street, Apartment 4-C, New York, New York 10025, respectively,

Hereby sell, assign and transfer to The Trustees of Columbia University in the City of New York

a corporation of the State of

New York having a place of business at West 116th Street & Broadway, New York, New York 10027, U.S.A. in the County of New York and State of New York

its successors, assigns and legal representatives, the entire right, title and interest for all countries, in and to any and all inventions which are disclosed and claimed, and any and all inventions which are disclosed but not claimed, in the application for United States Patent, which has been executed by the undersigned on April 30, and May 20, 1998 and is entitled

METHOD FOR INHIBITING THROMBOSIS IN A PATIENT WHOSE BLOOD IS SUBJECTED TO EXTRACORPOREAL CIRCULATION

(U.S. Serial No. 09/053,872 , filed April 1, 1998)

and in and to said application and all divisional, continuing, substitute, renewal, reissue, and all other applications for U.S. Letters Patent or other related property rights in any and all foreign countries which have been or shall be filed on any of said inventions disclosed in said application; and in and to all original and reissued patents or related foreign documents which have been or shall be issued on said inventions;

Authorize and request the Commissioner of Patents of the United States to issue to said Assignee, the corporation above named, its succe sors, assigns and legal representatives, in accordance with this assignment, any and all United States Letters Patent on said inventions or any of them disclosed in said application;

Eric Rose et al. U.S. Serial No.: 09/053,872

Filed: April 1, 1998 Agree that said Assignee may apply for and receive foreign Letters Patent or rights of any other kind for said inventions, or any of them; and may claim, in applications for said foreign Letters Patent or other rights, the priority of the aforesaid United States patent application under the provisions of the International Convention of 1883 and later modifications thereof, under the Patent Cooperation Treaty, under the European Patent Convention or under any other available international agreement; and that, when requested, without charge to, but at the expense of, said Assignee, its successors, assigns and legal representatives, to carry out in good faith the intent and purpose of this assignment, the undersigned or the undersigned's executors or administrators will, for the United States and all foreign countries, execute all divisional, continuing, substitute, renewal, reissue, and all other patent applications or other documents on any and all said inventions; execute all rightful oaths, assignments, powers of attorney and other papers; communicate to said Assignee, its successors, assigns and representatives, all facts known and documents available to the undersigned relating to said inventions and the history thereof: testify in all legal proceedings; and generally do everything possible which said Assignee, its successors, assigns or representatives shall consider desirable for aiding in securing, maintaining and enforcing proper patent protection for said inventions and for vesting title to said inventions and all applications for patents or related foreign rights and all patents on said inventions, in said Assignee, its successors, assigns and legal representatives; and

Covenant with said Assignee, its successors, assigns and legal representatives that no assignment, grant, mortgage, license or other agreement affecting the rights and property herein conveyed has been made to others by the undersigned, and that full right to convey the same as herein expressed is possessed by the undersigned.

,			<u> </u>	[L.S.]
Date: 4/30	998	Eric Rose		
Witness: Mary Lewer				
MARY LEWIS				
667 Vandubet AUR				
BROOKLYN, NY 1/238		Α .		
·	-	Downd	Sten	(L.S.]
Date: April 30, 19	998	David Ster	rn	
Witness: Mony Lewis				
MARY ISLEWIS				
667 VANderbult AVE				
Brooklyn, ny 11238				
<i>y</i> . • <i>y</i>				

Eric Rose et al. U.S. Serial No.: 09/053,872 L.S. Filed: April 1, 1998 Ann Marie Schmidt Witness: L.S. Talia Spanier

Page 3

ASSIGNMENT BY

Eric Rose, David Stern, Ann Marie Schmidt and Talia Spanier

The Trustees of Columbia Univer In the City of New York

IN A PATIENT WHOSE BLOOD IS SUBJECTED METHOD FOR INHIBITING THROMBOSIS TO EXTRACORPOREAL CIRCULATION